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APR 30 2002

Paper No. 9

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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,774A

DATE: 04/23/2002 P.6  
TIME: 08:19:49

Input Set : A:\Seqlist2corrected.txt

Output Set: N:\CRF3\04232002\I747774A.raw

4 <110> APPLICANT: Klein, Christine A.  
5       Murphy, Andrew J. M.  
6       Broach, James R.  
7       Manfredi, John  
8       Paul, Jeremy  
9       Fowlkes, Dana M.  
10      Trueheart, Joshua  
13 <120> TITLE OF INVENTION: Methods and Compositions for Identifying  
14      Receptor Effectors  
16 <130> FILE REFERENCE: CPI-012CP5DV  
18 <140> CURRENT APPLICATION NUMBER: US 09/747,774A  
19 <141> CURRENT FILING DATE: 2000-12-21  
21 <150> PRIOR APPLICATION NUMBER: US 08/582,333  
22 <151> PRIOR FILING DATE: 1996-01-17  
24 <150> PRIOR APPLICATION NUMBER: US 08/464,531  
25 <151> PRIOR FILING DATE: 1995-06-05  
27 <150> PRIOR APPLICATION NUMBER: US 08/461,598  
28 <151> PRIOR FILING DATE: 1995-06-05  
30 <150> PRIOR APPLICATION NUMBER: US 08/461,383  
31 <151> PRIOR FILING DATE: 1995-06-05  
33 <150> PRIOR APPLICATION NUMBER: US 08/463,181  
34 <151> PRIOR FILING DATE: 1995-06-05  
36 <150> PRIOR APPLICATION NUMBER: US 08/322,137  
37 <151> PRIOR FILING DATE: 1994-10-13  
39 <150> PRIOR APPLICATION NUMBER: US 08/309,313  
40 <151> PRIOR FILING DATE: 1994-09-20  
42 <150> PRIOR APPLICATION NUMBER: US 08/190,328  
43 <151> PRIOR FILING DATE: 1994-01-31  
45 <150> PRIOR APPLICATION NUMBER: US 08/041,431  
46 <151> PRIOR FILING DATE: 1993-03-31  
48 <160> NUMBER OF SEQ ID NOS: 98  
50 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
52 <210> SEQ ID NO: 1  
53 <211> LENGTH: 10  
54 <212> TYPE: PRT  
55 <213> ORGANISM: Saccharomyces cerevisiae  
57 <400> SEQUENCE: 1  
58 Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly  
59   1                   5                   10  
62 <210> SEQ ID NO: 2  
63 <211> LENGTH: 9  
64 <212> TYPE: PRT  
65 <213> ORGANISM: Saccharomyces cerevisiae

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```

67 <400> SEQUENCE: 2
68 Gly Ser Gly Glu Ser Gly Asp Ser Thr
69 1 5
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 9
74 <212> TYPE: PRT
75 <213> ORGANISM: Saccharomyces cerevisiae
77 <400> SEQUENCE: 3
78 Leu Ile His Glu Asp Ile Ala Lys Ala
79 1 5
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 13
84 <212> TYPE: PRT
85 <213> ORGANISM: Saccharomyces cerevisiae
87 <400> SEQUENCE: 4
88 Ser Leu Leu Trp Leu Thr Cys Arg Pro Trp Glu Ala Met
89 1 5 10
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 34
94 <212> TYPE: DNA
95 <213> ORGANISM: Saccharomyces cerevisiae
97 <400> SEQUENCE: 5
98 gttaagaacc atatactagt atcaaaaatg tctg 34
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 35
102 <212> TYPE: DNA
103 <213> ORGANISM: Saccharomyces cerevisiae
105 <400> SEQUENCE: 6
106 tgatcaaaaat ttactagttt gaaaaagtaa tttcg 35
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 28
110 <212> TYPE: DNA
111 <213> ORGANISM: Saccharomyces cerevisiae
113 <400> SEQUENCE: 7
114 ggcaaaatac tagtaaaatt ttcattgtc 28
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 34
118 <212> TYPE: DNA
119 <213> ORGANISM: Saccharomyces cerevisiae
121 <400> SEQUENCE: 8
122 ggcccttaac acactagtgt cgcattatat ttac 34
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 60
126 <212> TYPE: DNA
127 <213> ORGANISM: Saccharomyces cerevisiae
129 <400> SEQUENCE: 9
130 ctaaagaaga aggggtatct ttgcttaagc tcgagatctc gactgataac aacagtgtag 60
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 31

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```

135 <212> TYPE: DNA
136 <213> ORGANISM: Saccharomyces cerevisiae
138 <400> SEQUENCE: 10
139 catacacaat ataaagcttt aaaagaatga g 31
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 28
143 <212> TYPE: DNA
144 <213> ORGANISM: Saccharomyces cerevisiae
146 <400> SEQUENCE: 11
147 ttaagcgtga ggcagaagct tatcgata 28
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 28
151 <212> TYPE: DNA
152 <213> ORGANISM: Saccharomyces cerevisiae
154 <400> SEQUENCE: 12
155 cgcactccgt cttcgaatag ctatctag 28
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 25
159 <212> TYPE: DNA
160 <213> ORGANISM: Saccharomyces cerevisiae
162 <400> SEQUENCE: 13
163 gctacttaag cgtgaggcag aagct 25
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 38
167 <212> TYPE: DNA
168 <213> ORGANISM: Saccharomyces cerevisiae
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (1)...(38)
173 <223> OTHER INFORMATION: n = A,T,C or G
175 <400> SEQUENCE: 14
W--> 176 cggatgatca nnnagcttct gcctcacgct taagtagc 38
178 <210> SEQ ID NO: 15
179 <211> LENGTH: 71
180 <212> TYPE: DNA
181 <213> ORGANISM: Saccharomyces cerevisiae
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (1)...(71)
186 <223> OTHER INFORMATION: n = A,T,C or G
188 <400> SEQUENCE: 15
W--> 189 ctggatgcga agacagctnn knnknknknk nnknknknkn nknnknknkn knnktgatca 60
190 gtctgtgacg c 71
192 <210> SEQ ID NO: 16
193 <211> LENGTH: 17
194 <212> TYPE: DNA
195 <213> ORGANISM: Saccharomyces cerevisiae
197 <400> SEQUENCE: 16
198 gcgtcacaga ctgatca 17

```

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```

200 <210> SEQ ID NO: 17
201 <211> LENGTH: 17
202 <212> TYPE: DNA
203 <213> ORGANISM: Saccharomyces cerevisiae
205 <400> SEQUENCE: 17
206 tgatcagtct gtgacgc
208 <210> SEQ ID NO: 18
209 <211> LENGTH: 17
210 <212> TYPE: DNA
211 <213> ORGANISM: Saccharomyces cerevisiae
213 <400> SEQUENCE: 18
214 actagtcaga cactgcg
216 <210> SEQ ID NO: 19
217 <211> LENGTH: 41
218 <212> TYPE: DNA
219 <213> ORGANISM: Saccharomyces cerevisiae
221 <400> SEQUENCE: 19
222 ccaaaataag tacaaagctt tcgaatagaa atgcaaccat c
224 <210> SEQ ID NO: 20
225 <211> LENGTH: 59
226 <212> TYPE: DNA
227 <213> ORGANISM: Saccharomyces cerevisiae
229 <400> SEQUENCE: 20
230 gccgctccaa aagaaaagac ctcgagctcg cttaagttct gcgtacaaaa acgttggttc
232 <210> SEQ ID NO: 21
233 <211> LENGTH: 26
234 <212> TYPE: DNA
235 <213> ORGANISM: Saccharomyces cerevisiae
237 <400> SEQUENCE: 21
238 ggtactcgag tgaaaagaag gacaac
240 <210> SEQ ID NO: 22
241 <211> LENGTH: 49
242 <212> TYPE: DNA
243 <213> ORGANISM: Saccharomyces cerevisiae
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (1)...(49)
248 <223> OTHER INFORMATION: n = A,T,C or G
250 <400> SEQUENCE: 22
W--> 251 cgtacttaag caataacaca nnnngttgtcc ttcttttcac tcgagtacc
253 <210> SEQ ID NO: 23
254 <211> LENGTH: 17
255 <212> TYPE: DNA
256 <213> ORGANISM: Saccharomyces cerevisiae
258 <400> SEQUENCE: 23
259 gcgtcacaga ctgatca
261 <210> SEQ ID NO: 24
262 <211> LENGTH: 71
263 <212> TYPE: DNA

```

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Output Set: N:\CRF3\04232002\I747774A.raw

```

264 <213> ORGANISM: Saccharomyces cerevisiae
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)...(71)
269 <223> OTHER INFORMATION: n = A,T,C or G
271 <400> SEQUENCE: 24
W--> 272 gccgtcagta aagcttggca ttggttgnnn nnnnnnnnnm mncagcctat gtactgatca 60
273 gtctgtgacg c 71
275 <210> SEQ ID NO: 25
276 <211> LENGTH: 39
277 <212> TYPE: DNA
278 <213> ORGANISM: Saccharomyces cerevisiae
280 <220> FEATURE:
281 <221> NAME/KEY: CDS
282 <222> LOCATION: (1)...(39)
284 <400> SEQUENCE: 25
285 tgg cat tgg ttg cag cta aaa cct ggc caa cca atg tac 39
286 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
287 1 5 10
290 <210> SEQ ID NO: 26
291 <211> LENGTH: 13
292 <212> TYPE: PRT
293 <213> ORGANISM: Saccharomyces cerevisiae
295 <400> SEQUENCE: 26
296 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
297 1 5 10
300 <210> SEQ ID NO: 27
301 <211> LENGTH: 39
302 <212> TYPE: DNA
303 <213> ORGANISM: Saccharomyces cerevisiae
305 <220> FEATURE:
306 <221> NAME/KEY: CDS
307 <222> LOCATION: (1)...(39)
309 <400> SEQUENCE: 27
310 tgg cat tgg ttg cag cta aaa cct ggc cag cct atg tac 39
311 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
312 1 5 10
315 <210> SEQ ID NO: 28
316 <211> LENGTH: 13
317 <212> TYPE: PRT
318 <213> ORGANISM: Saccharomyces cerevisiae
320 <400> SEQUENCE: 28
321 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
322 1 5 10
325 <210> SEQ ID NO: 29
326 <211> LENGTH: 39
327 <212> TYPE: DNA
328 <213> ORGANISM: Saccharomyces cerevisiae
330 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/747,774A

DATE: 04/23/2002  
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Input Set : A:\Seqlist2corrected.txt  
Output Set: N:\CRF3\04232002\I747774A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 11,12,13  
Seq#:15; N Pos. 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47  
Seq#:15; N Pos. 49,50,52,53  
Seq#:22; N Pos. 21,22,23  
Seq#:24; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,42  
Seq#:57; N Pos. 29,30,32,33,35,36,38,39,41,42,44,45,47,48,50,51,53,54,56,57  
Seq#:57; N Pos. 59,60,62,63,65,66  
Seq#:59; N Pos. 12,13,15,16,18,19,21,22,24,25,27,28,30,31,33,34,36,37,39,40  
Seq#:59; N Pos. 42,43,45,46,48,49  
Seq#:60; N Pos. 27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,54,55  
Seq#:60; N Pos. 57,58  
Seq#:62; N Pos. 22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,50  
Seq#:62; N Pos. 52,53

## VERIFICATION SUMMARY

DATE: 04/23/2002

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Input Set : A:\Seqlist2corrected.txt

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L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60  
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0  
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0